

Figure 2

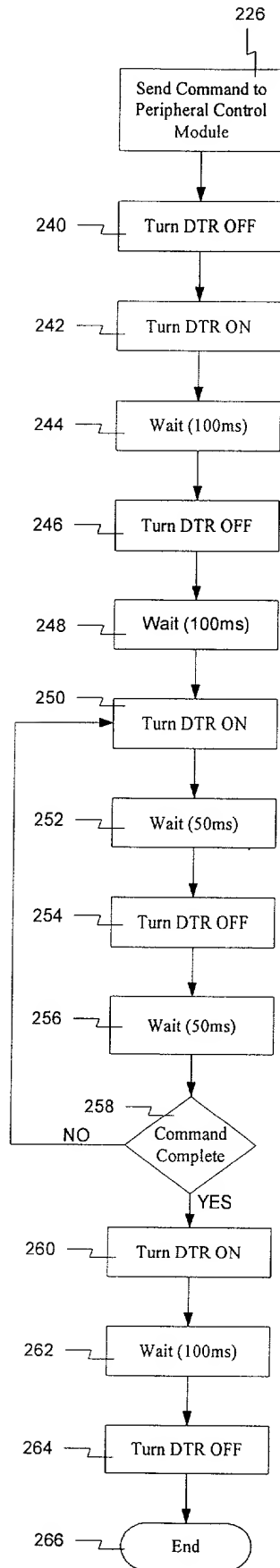


Figure 3

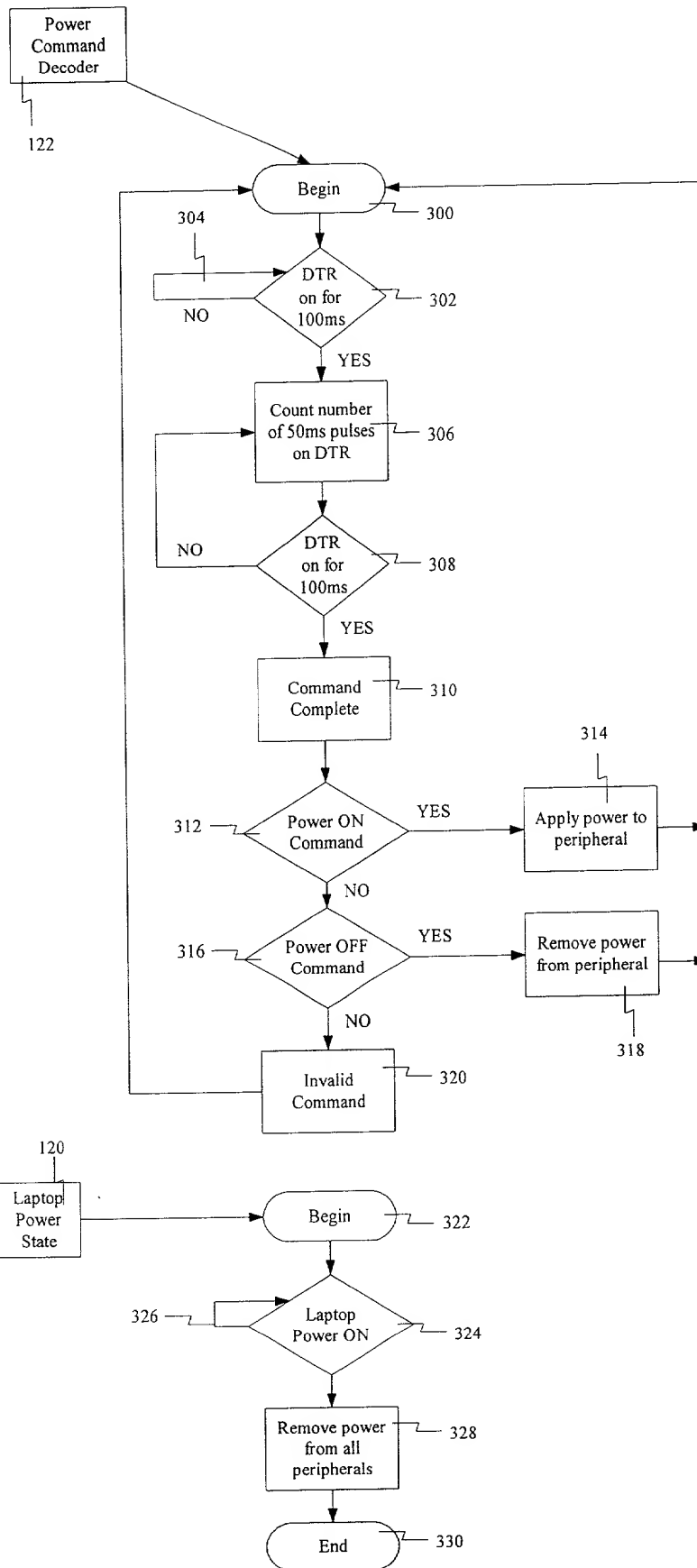


Figure 4

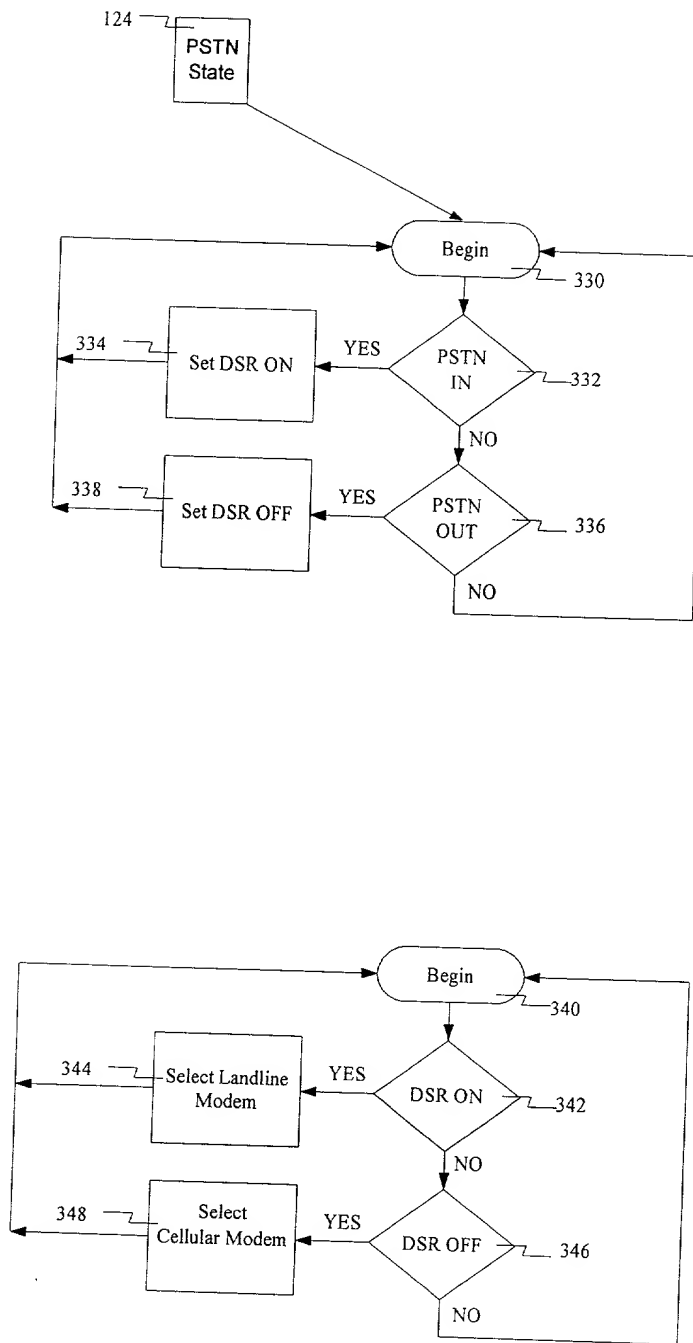


Figure 5

The diagram shows a central vertical block labeled "Micro-controller" with a reference number "1600" at the top. To the left, a box labeled "From RS-232 port" with reference number "1622" contains a square wave signal. A large arrow points from this box to a line labeled "SERIAL PORT HAND SHAKE LINE (DTR)" with reference number "121". Below this, a line labeled "PSTN CNCT" with reference number "125" is connected to the micro-controller. To the right of the micro-controller, several control lines are shown: "Scanner supply control line" (504), "Cellular modem supply control line" (512), "Landline modem supply control line" (510), "Printer supply control line" (506), "PSTN State" (124), and "Supply hold on" (1614).

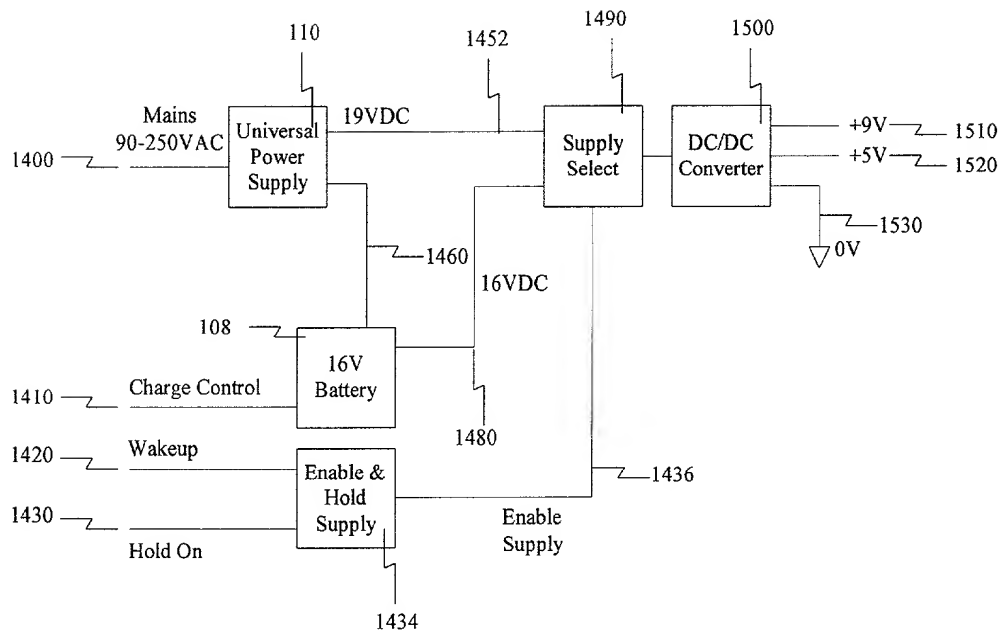


Figure 7



FIGURE 9

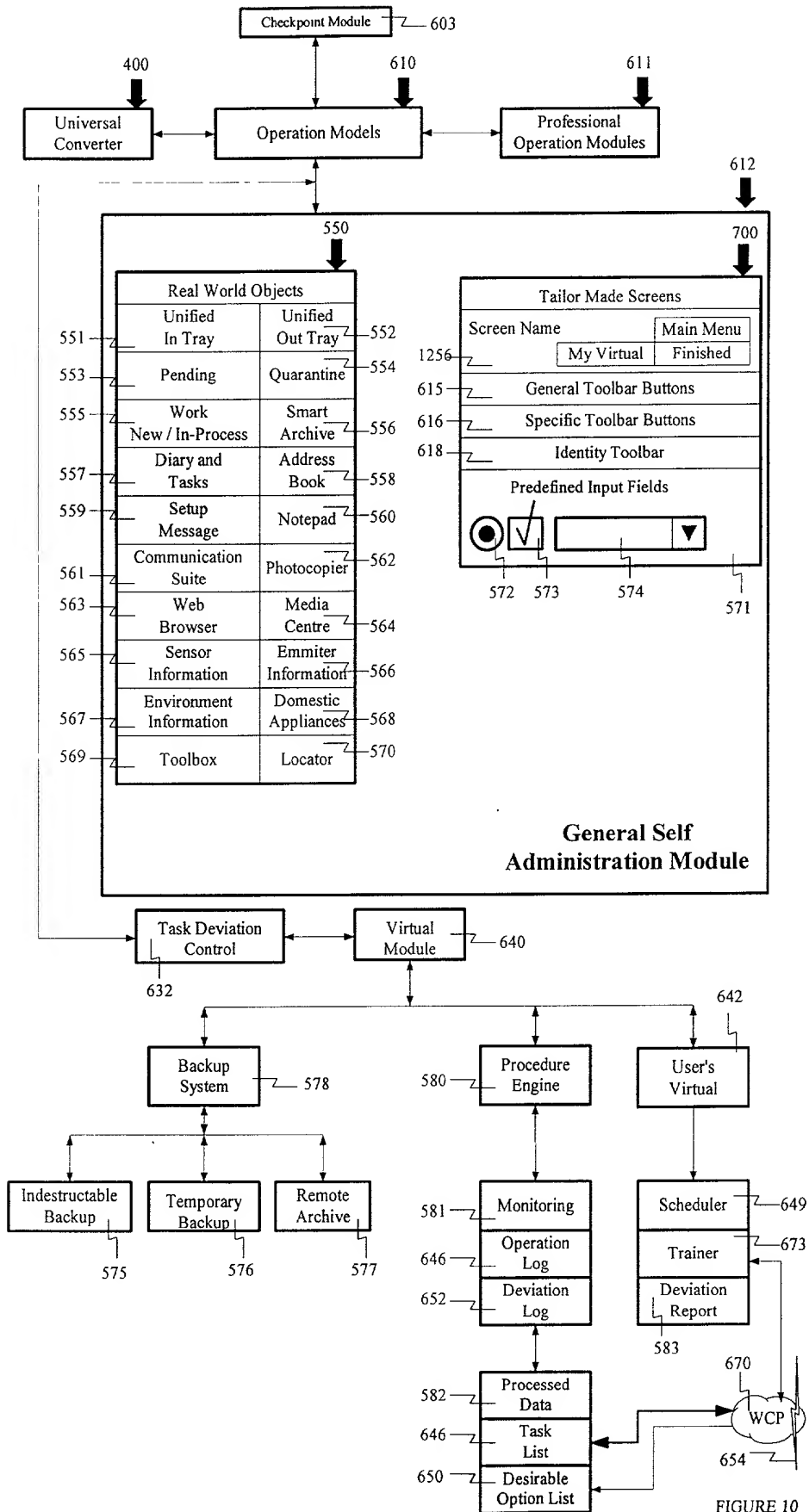
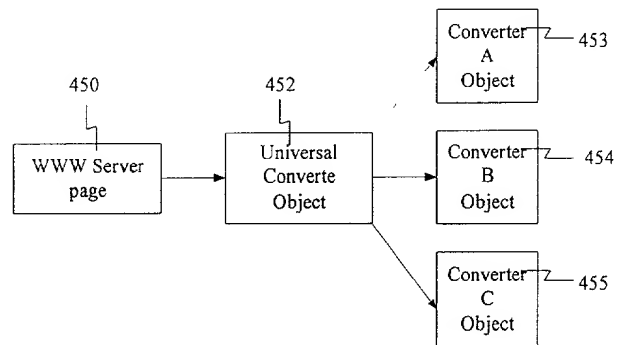


FIGURE 10

The diagram illustrates a Universal Converter (400) with the following components and connections:

- Input:** An "Input Type" circle (404) provides input to an "Input" block (402).
- Universal Converter (400):** A large rectangular block containing:
 - Internal Blocks:** Four blocks labeled A, B, C, and D are arranged horizontally.
 - Block A receives inputs T1 and T2, and has output T3 (410).
 - Block B receives input T3 and has output T7 (412).
 - Block C receives inputs T4 and T7, and has output T8 (414).
 - Block D receives input T8 and has output T9 (418).
 - Internal Connections:** A detailed view of the internal circuitry is shown within a sub-block (419). It includes:
 - Input T1 (420) and T2 (422) entering from the left.
 - Input T3 (424) entering from the left.
 - Internal nodes and connections labeled 426, 428, 430, 432, and 440.
 - Outputs T4 (440) and T8 (442) exiting to the right.
 - Output T7 (426) exiting downwards.
 - Output T9 (430) exiting downwards.
- Output:** The converter's output is connected to an "Output" block (406).



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LEGEND

- Data Flow (solid arrow)
- Flow of tasks (dashed arrow)
- Web (cloud icon)

System Architecture:

- User (600)** interacts with the **Workstation (602)**.
- Workstation (602)** contains:
 - Peripheral Module (100)
 - Universal Converter Module (400)
 - Checkpoint Module (603)
 - Operations Model (610)
- Workstation (602)** is connected to a **Web (654)** cloud, which contains a **WCP (670)**.
- Workstation (602)** sends **Messages (641)** to the **Virtual Module (640)**.
- Virtual Module (640)** contains:
 - User's Virtual (642)
 - Scheduler (649)
 - Operations Log (646)
 - Task List (648)
 - Desirable Option List (650)
 - Deviation Log (652)
 - Trainer (673)
- Virtual Module (640)** is connected to a **Web (654)** cloud, which contains a **WCP (670)**.
- Virtual Module (640)** sends **Options (620)** to the **General Self Administration Model (612)**.
- General Self Administration Model (612)** contains:
 - Screen Name (614) with sub-elements: My Virtual, Main Menu, Finished
 - General Toolbar (615)
 - Specific Toolbar (616)
 - Identity Toolbar (618)
 - Buttons (620), Options (622), Items (624)
- General Self Administration Model (612)** sends **Completed Task (626)**, **Completed Task Pre-model (628)**, **Task Modeling (630)**, and **Task Deviation Control (632)** to the **Virtual Module (640)**.
- General Self Administration Model (612)** sends **Options (620)** and **Desirable Options (622)** to the **Virtual Module (640)**.
- General Self Administration Model (612)** sends **Deviation Notification (624)** to the **Virtual Module (640)**.
- Virtual Module (640)** sends **Deviation Notification (624)** to the **Web Communication Provider (670)**.
- Web Communication Provider (670)** contains:
 - Content Filter Team (672)
 - Universal Tasks (674)
 - Universal Options (676)
 - Services (677)
 - Remote Trainer (675)

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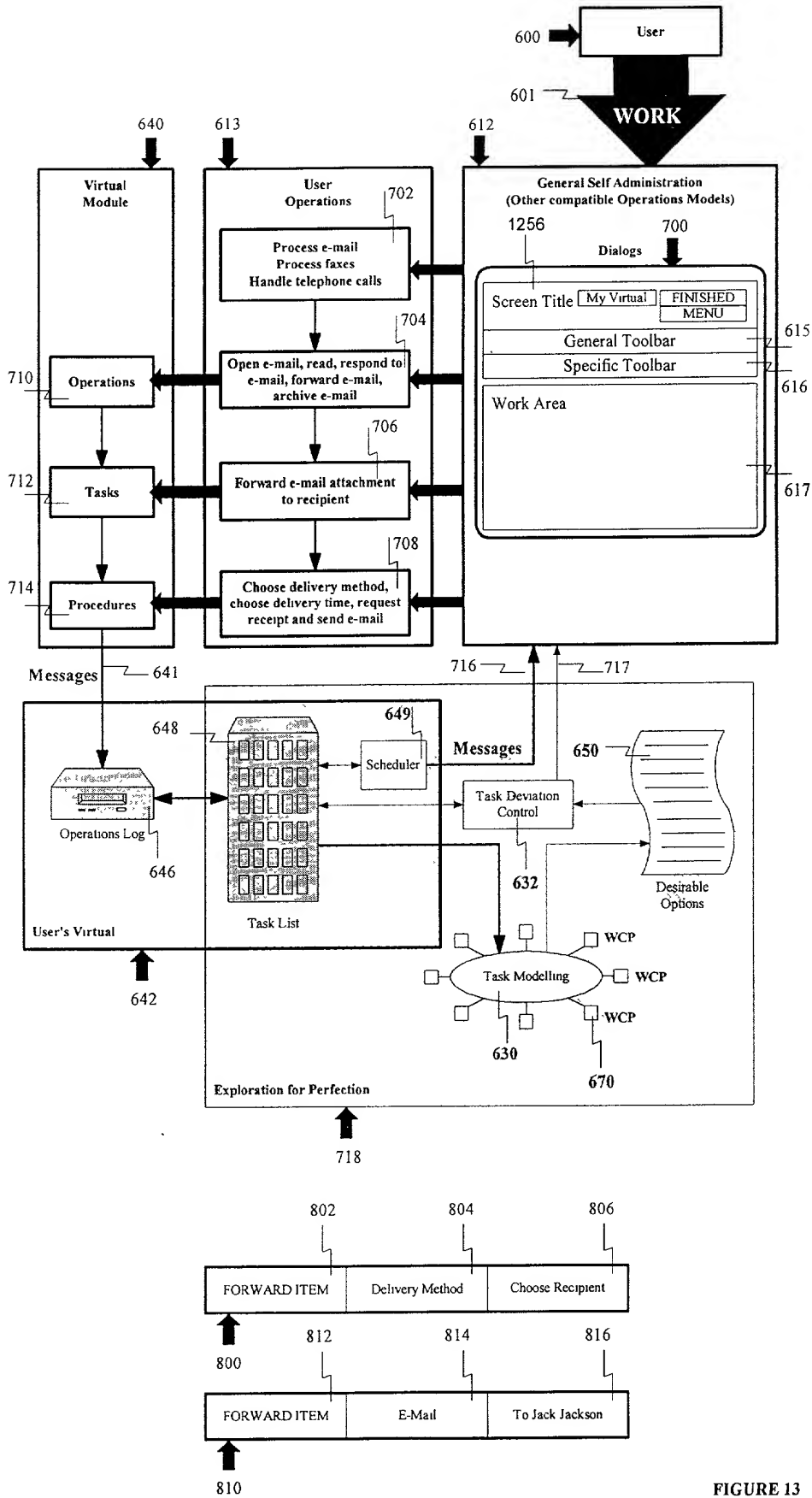


FIGURE 13

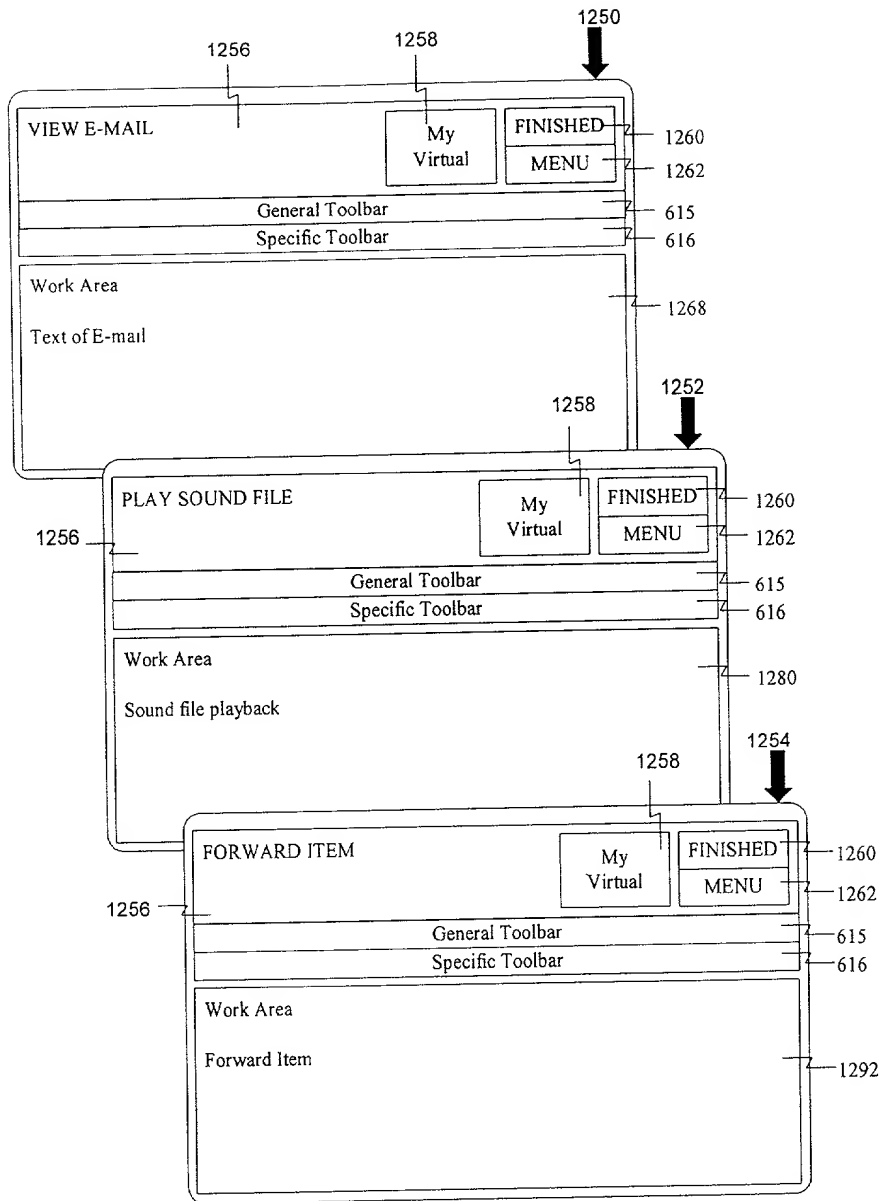


FIGURE 14

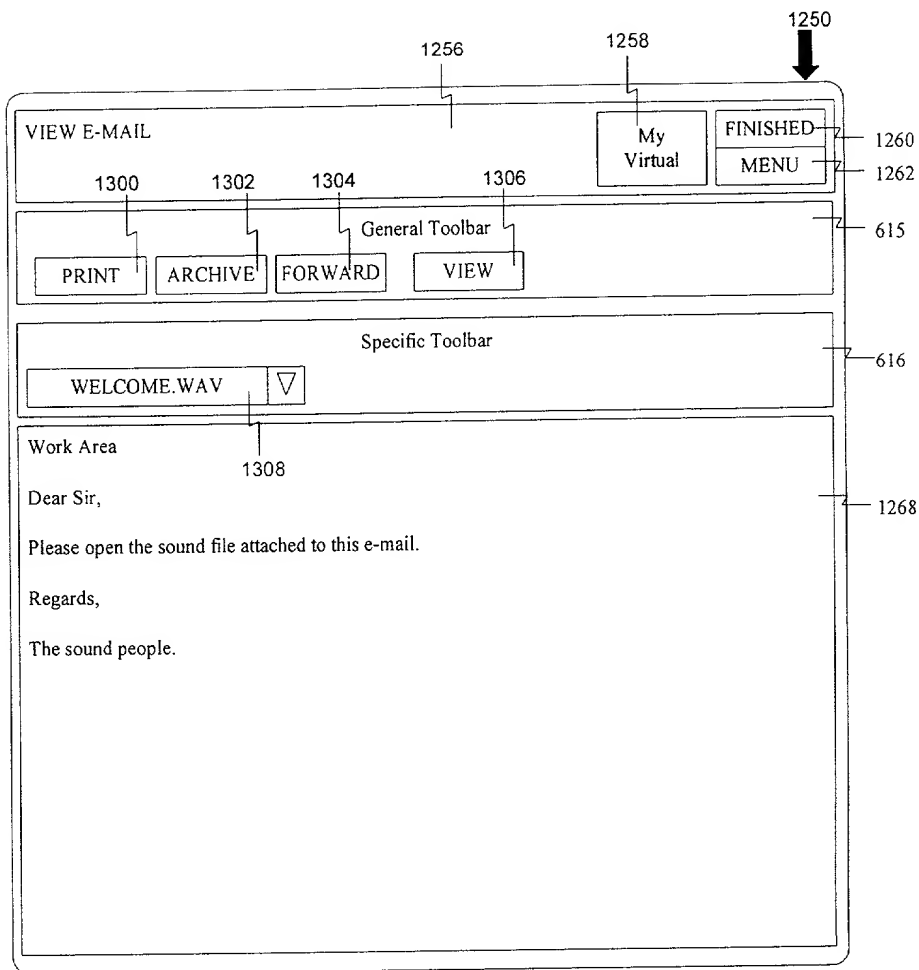


FIGURE 15

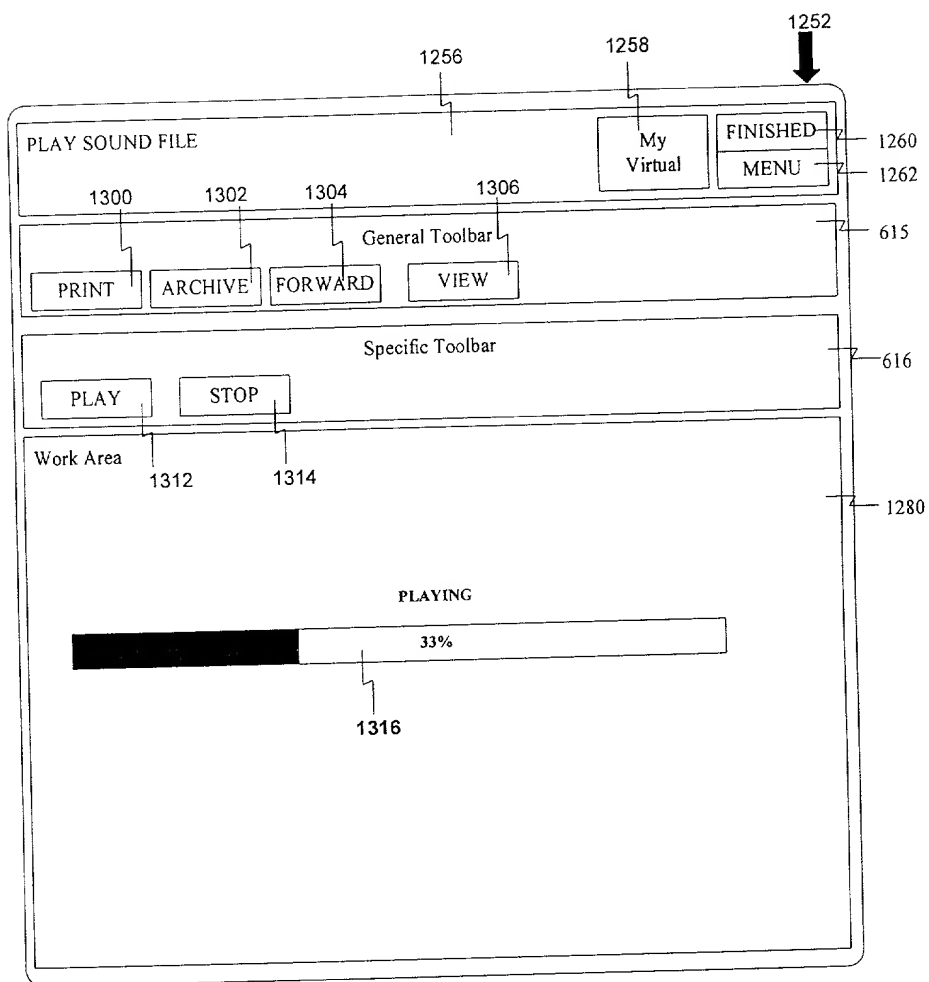


FIGURE 16

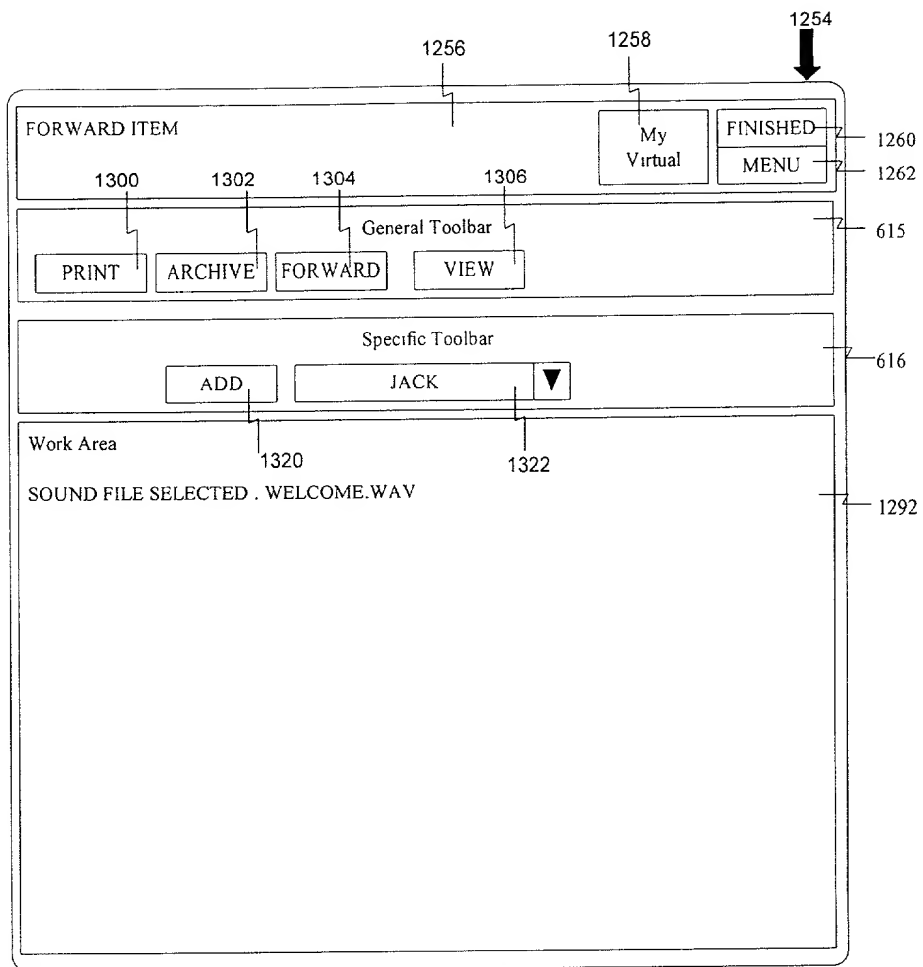


FIGURE 17

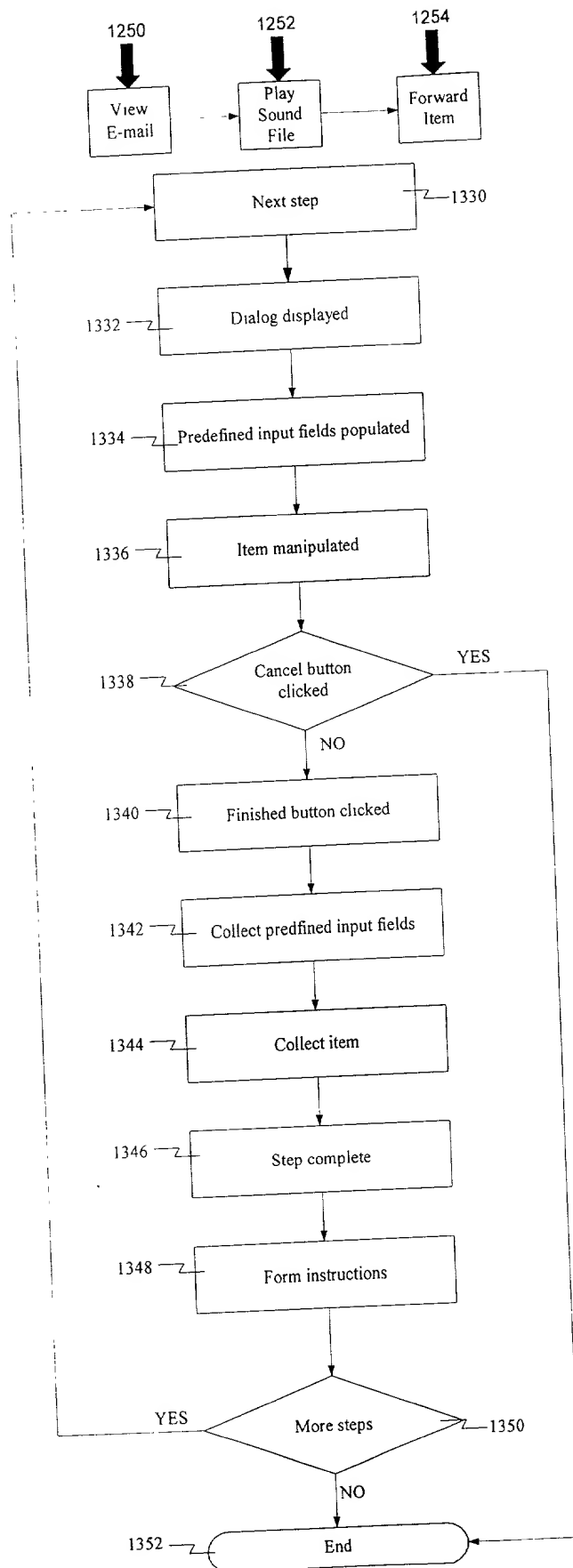


FIGURE 18

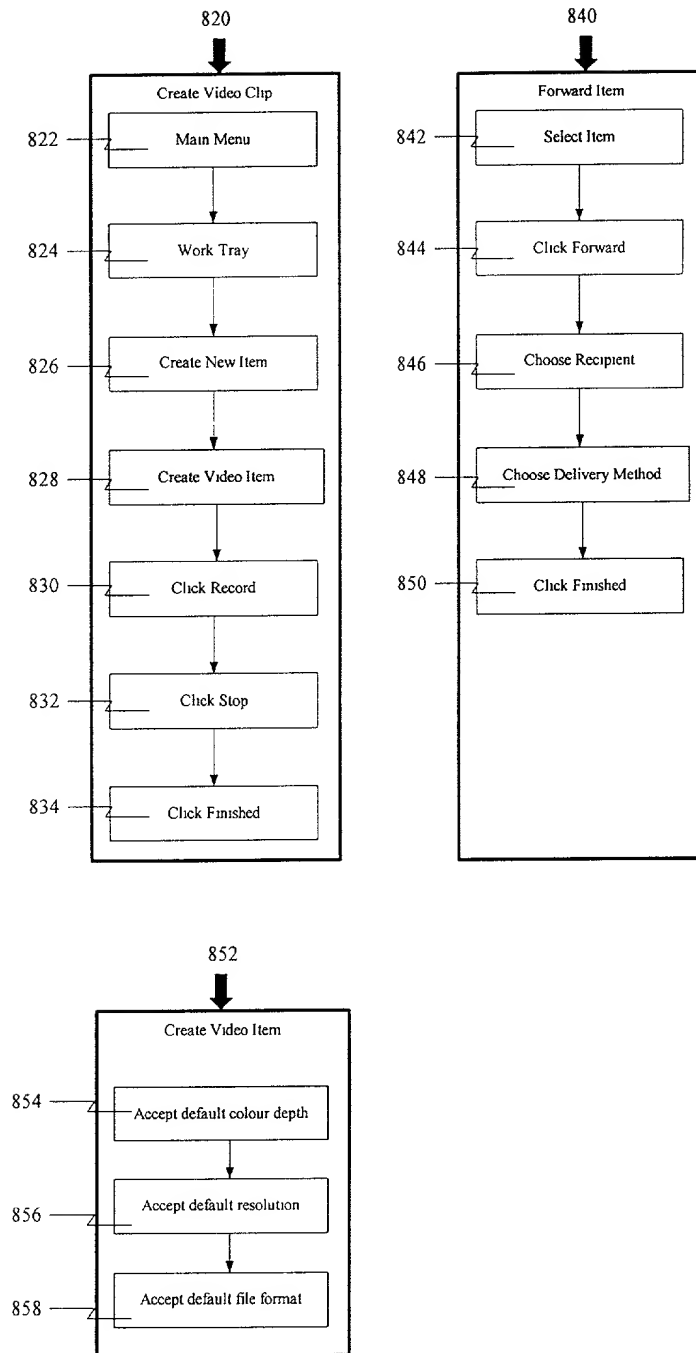


FIG. 20

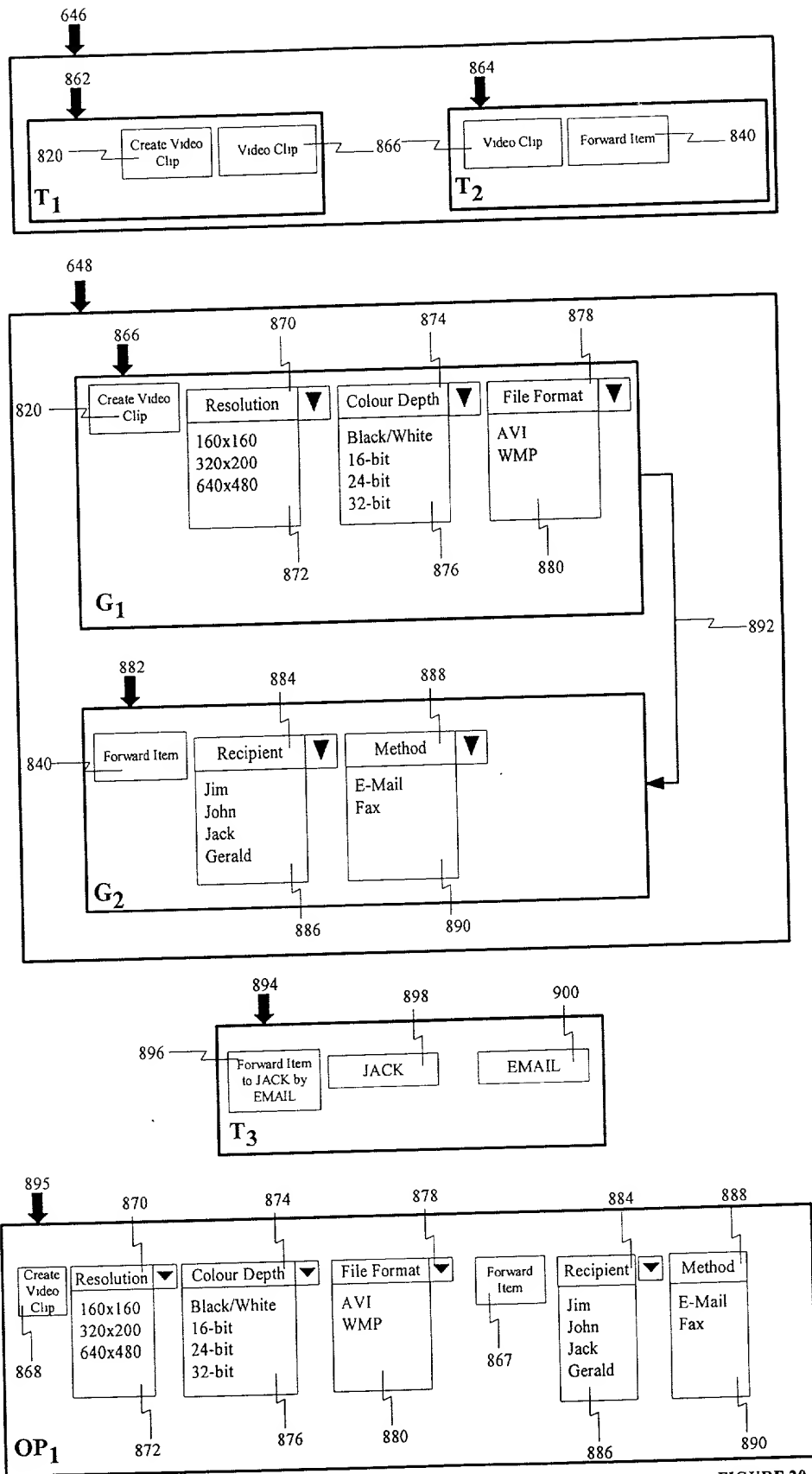


FIGURE 20

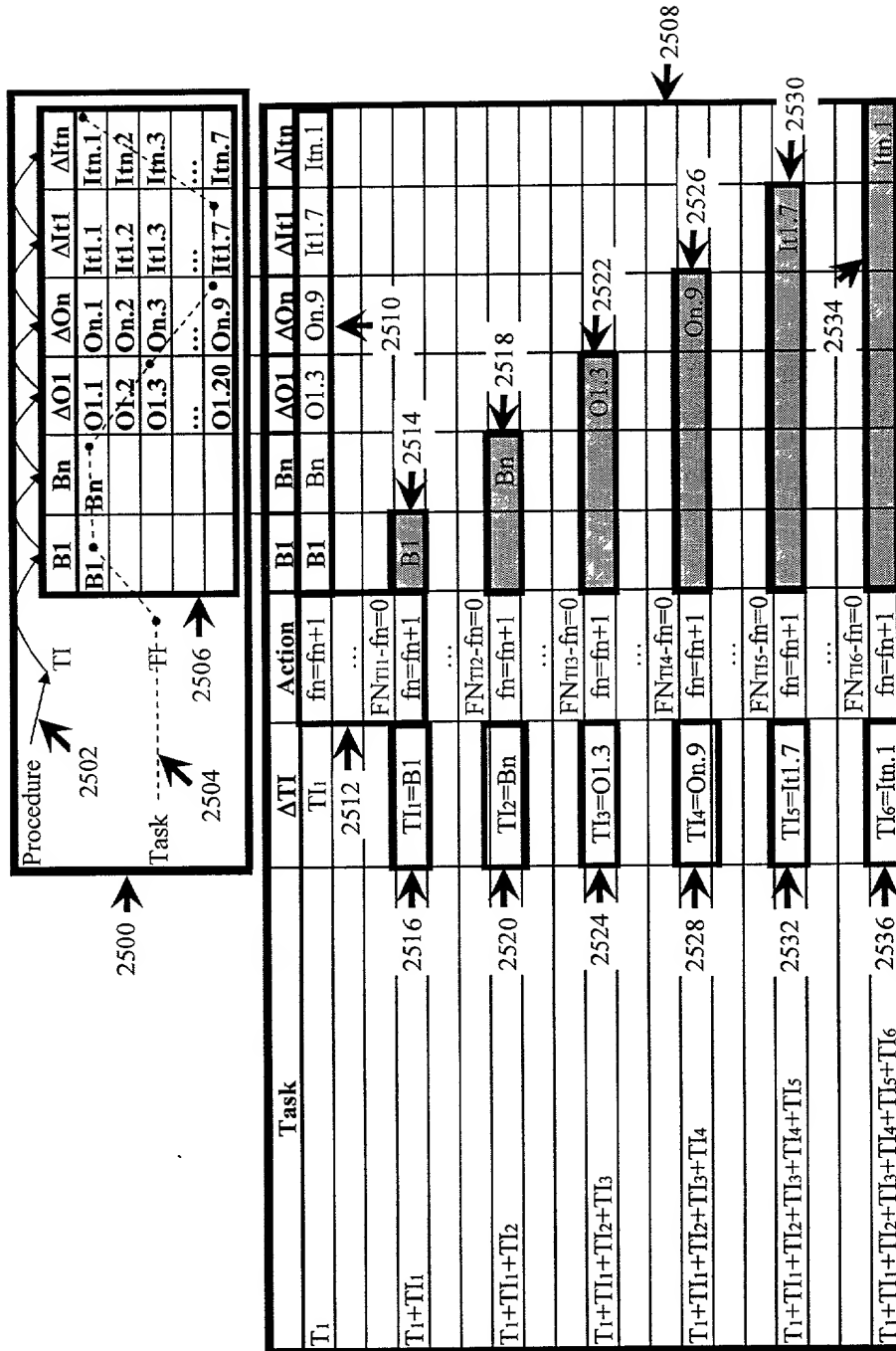
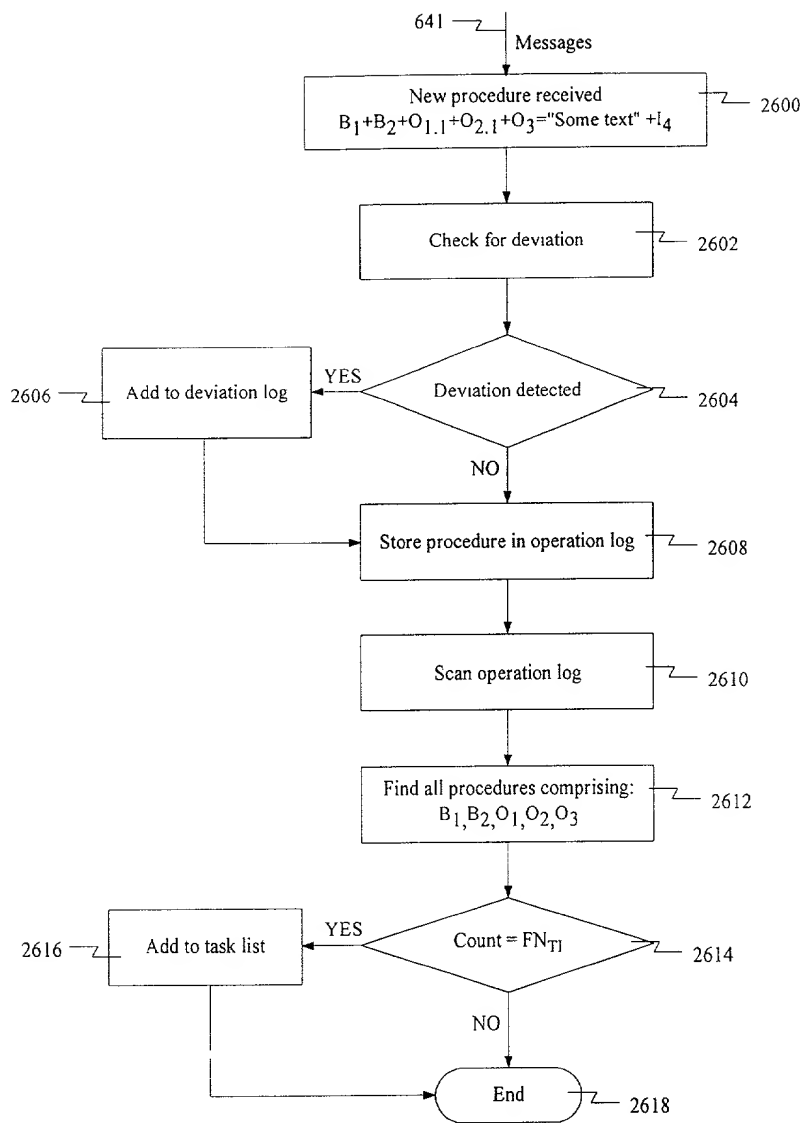


FIGURE 21



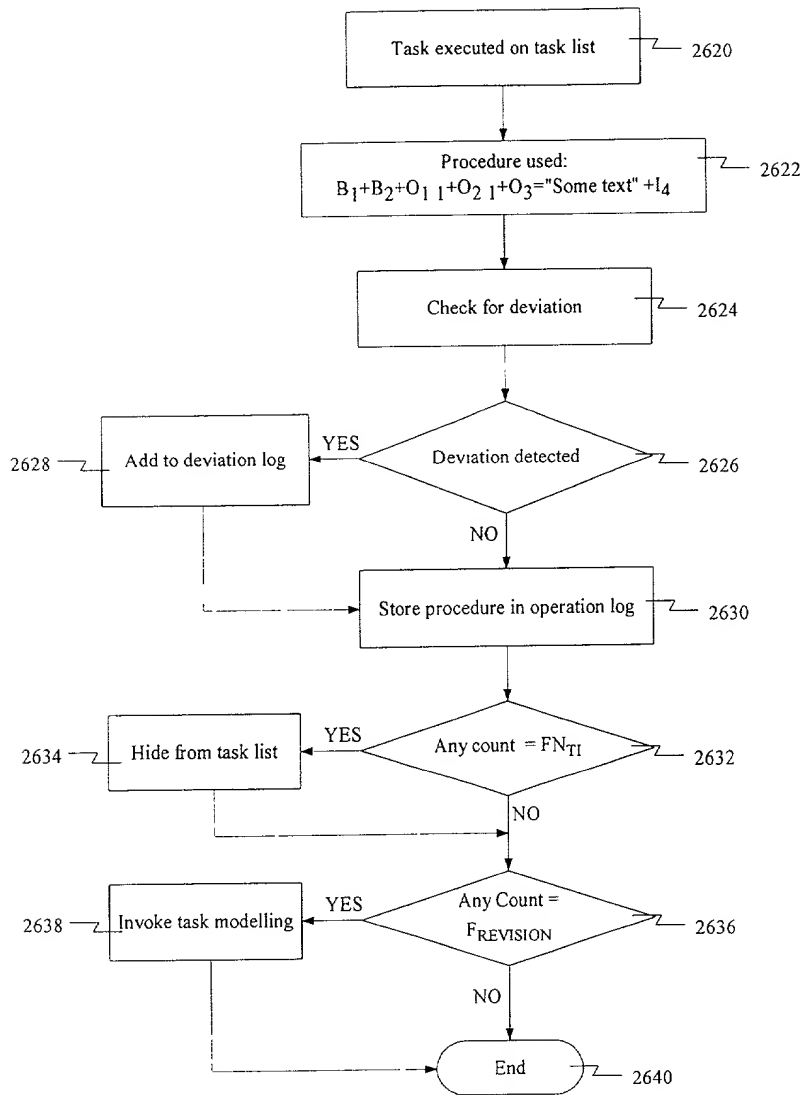


FIGURE 23

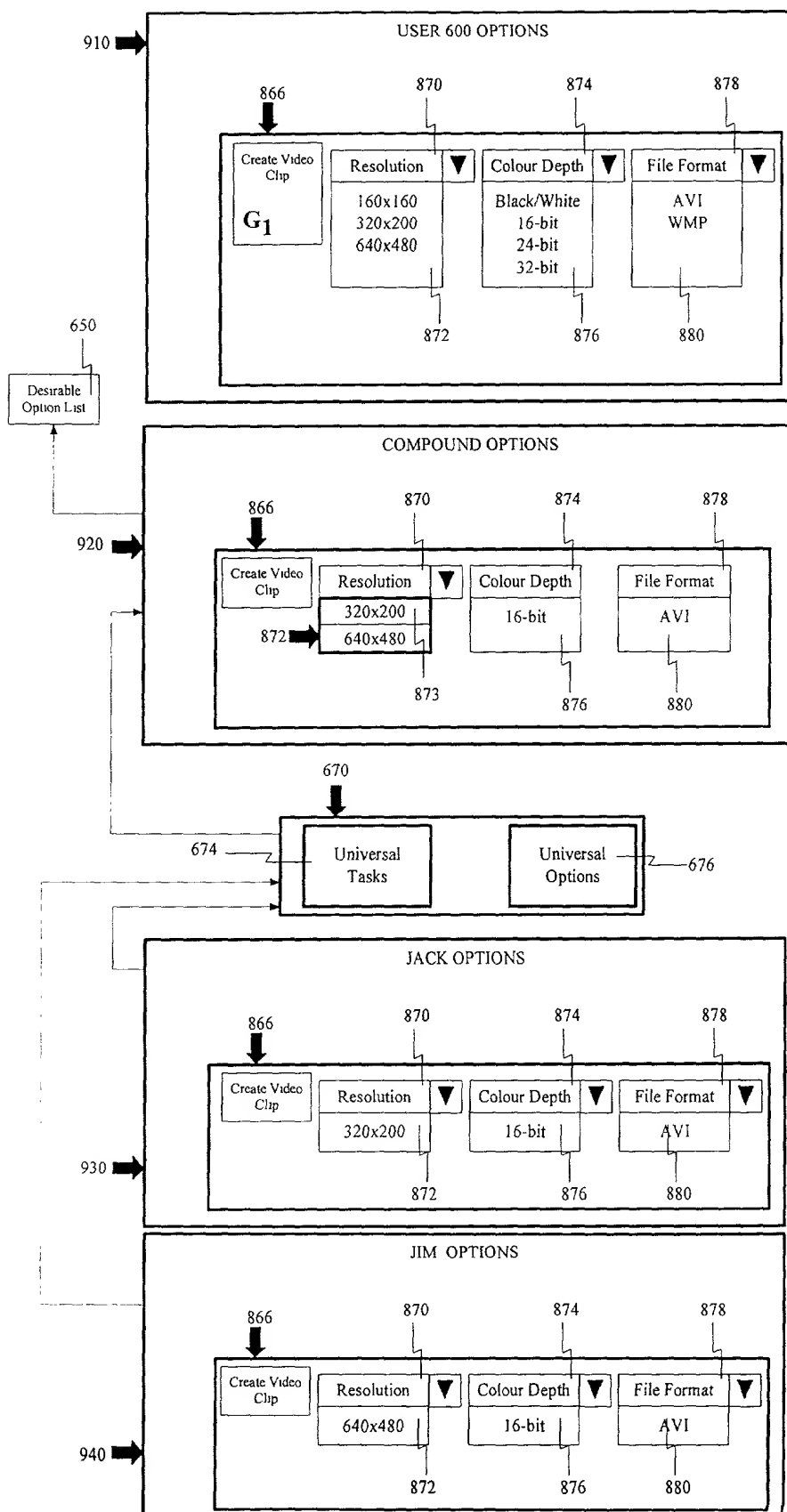


FIGURE 24

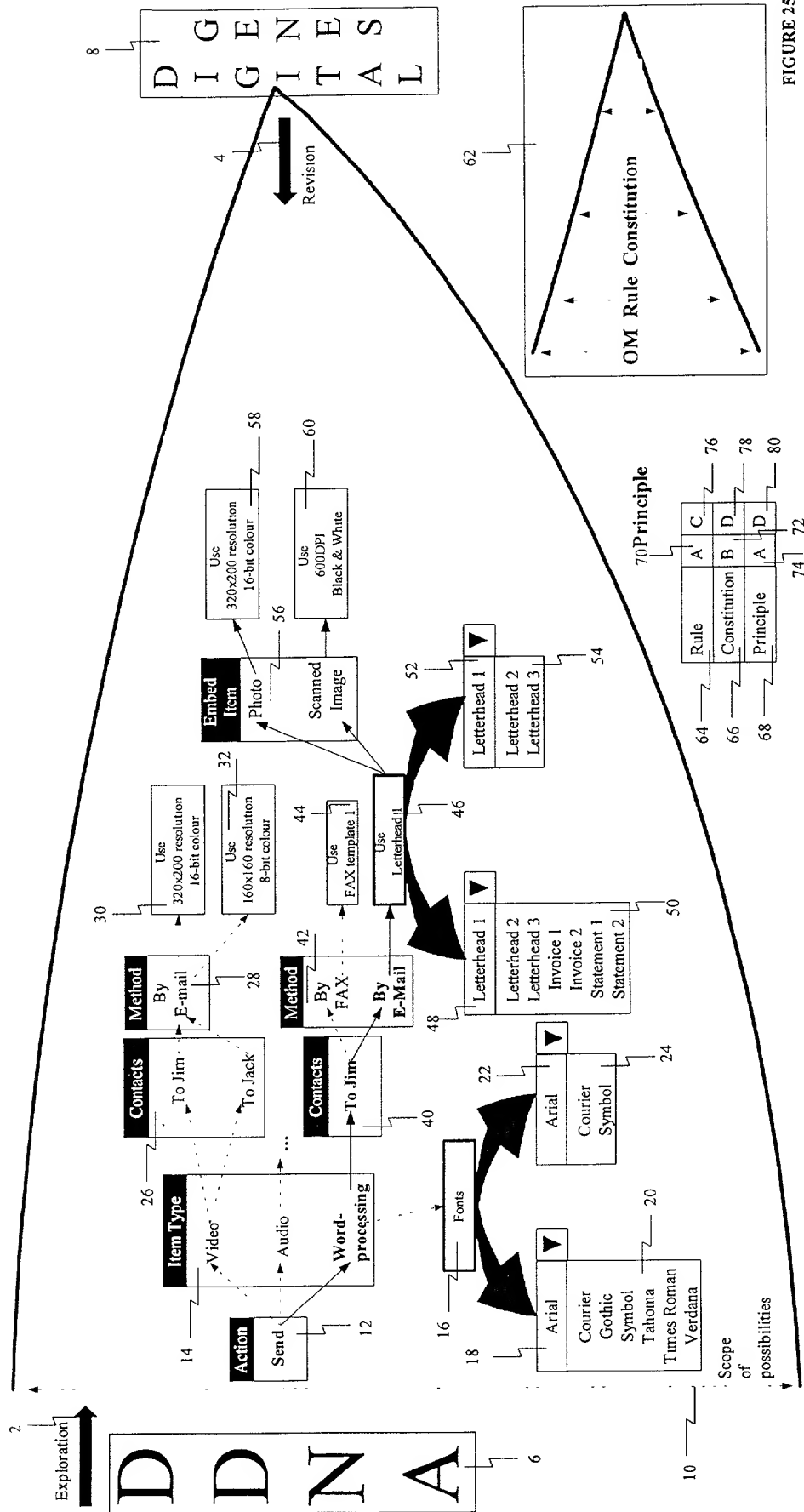


FIGURE 25